

Robot Inspection Checklist

Team Number: _____

Size Inspection

<input type="checkbox"/>	Robot fits within starting size restrictions (18" x 18" x 18") does not touch walls or ceiling of the sizing box! <i>Robot should be measured WITH Robot Flag & Team ID # Plates installed.</i>	R4
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Overall Inspection

<input type="checkbox"/>	Team is only competing with ONE robot -- they have no spare or replacement robots.	R1
<input type="checkbox"/>	Robot displays VEX Team Identification Number on at least (2) opposing sides.	R18
<input type="checkbox"/>	Robot does NOT contain any components which will be intentionally detached on the playing-field.	G8
<input type="checkbox"/>	Robot does NOT contain any components that could damage the playing-field or other robots.	R3
<input type="checkbox"/>	Robot does NOT contain any sharp edges or corners.	R3
<input type="checkbox"/>	Robot poses NO obvious unnecessary risk of entanglement.	R3
<input type="checkbox"/>	Robot on/off switch is accessible & Microcontroller lights are visible without moving or lifting the robot.	R16
<input type="checkbox"/>	Robot Flag Holder is present and adequately holds the flag during normal robot operation.	R19
<input type="checkbox"/>	When installed the Robot Flag is non-functional and does not extend outside the sizing box.	R19ab

VEX Parts Inspection

<input type="checkbox"/>	ALL Robot components are (or are IDENTICAL to) OFFICIAL VEX Products as sold on VEXrobotics.com	R5 R6
<input type="checkbox"/>	Robot does not utilize any of the VEX products not intended for use as a robot component (trophies, apparel, etc) or any VEX packaging for robot construction.	R5bc
<input type="checkbox"/>	ALL Components on the Robot NOT meeting VRC Inspection Criteria are NON-FUNCTIONAL decorations	R7c
<input type="checkbox"/>	Any grease is used only in moderation on components that do not contact the field, objects, or other robots.	R7d
<input type="checkbox"/>	Robot utilizes the VEXnet wireless communication system, no VEX 75 Mhz Crystal Radios are being used.	R10
<input type="checkbox"/>	None of the <i>electronics</i> are from the VEXplorer	R10b
<input type="checkbox"/>	Robot has only (1) VEX EDR Microcontroller.	R9
<input type="checkbox"/>	Total number of Servos and Motors is not more than (10).	R11
<input type="checkbox"/>	Robot uses (1) VEX 7.2V (Robot) Power Pack as the primary power source.	R13
<input type="checkbox"/>	Robot does not have any disconnected batteries (used as ballast, etc).	R13a
<input type="checkbox"/>	Robot uses a maximum of (1) VEX Power Expander	R13b
<input type="checkbox"/>	If the Robot has a Power Expander, it has a 2nd 7.2V (Robot) Power Pack	R13
<input type="checkbox"/>	Robot has a charged 9V Backup Battery connected to the VEXnet Microcontroller or Microcontroller Upgrade	R13c
<input type="checkbox"/>	Robot uses a maximum of (1) PWM Y-Cable per each Motor Port on the VEX Microcontroller & Power Expander	R12
<input type="checkbox"/>	Robot is not controlled by more than (2) VEX hand-held transmitters.	R14

Construction Inspection

<input type="checkbox"/>	NO VEX electrical components have been modified from their original state.	R15a
<input type="checkbox"/>	NO Method of attachment NOT provided by the VEX Design System is used. (Welding, Glueing, etc.)	R15b

Field Control Check

<input type="checkbox"/>	Robot successfully completes the "Field Control Check" Procedure -- See Inspection Guidelines	R20
<input type="checkbox"/>	Robot enters Autonomous mode when it is set to "AUTONOMOUS" and "ENABLE"	R20
<input type="checkbox"/>	The Hand-held Controller(s) ONLY control the robot when it is set to "DRIVER" and "ENABLE"	R20

Pass / Fail: _____ Inspector Initials: _____ Team Initials: _____